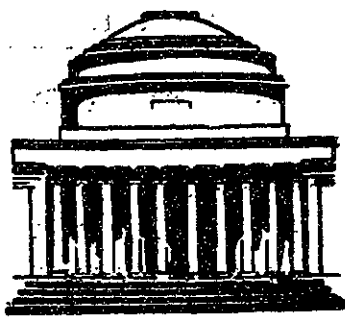


The Tech



MASS. INSTITUTE OF TECHNOLOGY
JAN 19 1940
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Vol. LIX, No. 60

CAMBRIDGE, MASS., FRIDAY, JANUARY 19, 1940

Price Five Cents

Honors Group Faces All Day Examination

Distinguished Board Of Outside Men Will Conduct Quiz

GRILLING TO BE ORAL

Honors group students in the department of Electrical Engineering will face a whole board of "Professors Quiz", when they come up for their oral examination on Saturday morning at 9 o'clock.

The Honors Group students who have been almost completely on their own during the term, are confronted by a long list of general problems which will keep them busy all day. The examining committee of six is composed of leading industrialists and professors, not connected with the Electrical Engineering department who draw up the questions.

Will Answer Industrial Problems

The problems will give the students a chance to combine sound engineering judgment with a general knowledge of electric problems in solving industrial problems. Their major purpose is to give the students a taste of what is in store for them in their later professional careers. The Honors Group has already struggled through a comprehensive written examination, drawn up by the same committee, which

(Continued on Page 4)

Prof. Keyes Talks On Absolute Zero

Chemistry Department Head Shows Experiments Yesterday

Professor Frederick G. Keyes, head of the department of Chemistry, gave two talks yesterday on one of his most popularly known research topics, "Absolute Zero." The lectures were given at 11:00 A.M. and 1:00 P.M. in Room 2-370.

The first part of his lecture Professor Keyes devoted to an explanation of temperature scales, means of measurement of low temperatures, and early attempts at liquefaction of carbon dioxide and oxygen. He then proceeded to lecture-table demonstrations of the properties of matter near the absolute zero mark.

Liquid and solid nitrogen, liquid oxygen, solid carbon dioxide, and liquid and solid hydrogen, the latter state having a temperature close to -273.16 degrees Centigrade, were then prepared and experiments conducted with them.

The talks were given during the regular times for the 5.01 lectures.

T. C. A. Up Blind Alley In Search For Two Cooks

Hear Ye! Hear Ye! Hear Ye! Calling all cooks! Calling all cooks, flap-jackflippers, or otherwise! The T.C.A., yes, the T.C.A., is hunting two Institute men, or coeds, who know something about cooking. If such a person should exist, the T. C. A. could put him to work teaching a group of eight innocent boys between 15-18 years of age the delicate art of camp cooking.

Anyone filling the above description is requested, commanded, threatened, pleaded with to turn his name in to the T.C.A. office as soon as possible. In addition to the cookie cooker, one man is needed to act as an assistant scoutmaster in a small troop. For complete information see your local newspaper.

Be Kind To Fraternity Men During "Hell Week"

"Hell Week", a phrase which arouses such terror among the freshmen and a brutal gleam in the eyes of all fraternity men, will soon be upon us. For most of the various fraternities these initiation rites will take place during the first week of the second school term.

So keep this in mind, fair reader, and have due consideration for the poor neophytes who sit down in their seats gingerly, who wander about with funny little hats, who carry ten pounds of bricks through the corridors with them, and who fall asleep while you are talking to them. Good luck, Frosh.

Institute To Add Printing Course As General Study

Experts In Field To Handle Instruction Of Subject; Varied Topics

Ink and rollers are to take their place alongside test tubes and ammeters next term when a new general study, The Arts of the Book, will become part of the regular Institute curriculum.

The new elective course is intended to give students an understanding of graphic arts problems, an appreciation of fine printing, and the capacity to select and design appropriate printed matter. Instructors for the class will include a group of Institute men noted for their work in various divisions of the printing field.

Paper to Be Discussed

An important part of the course is to be devoted to a discussion of paper which will include the study of parchment, vellum, and papyrus, and methods of making paper by hand and machine. Manual lettering instruments—brush, quill, reed and pen—will be treated. Following this discussion will come a survey of the invention and evolution of mechanical lettering instruments, the use of hand presses,

(Continued on Page 4)

ISSUES

How many members of the present Institute Committee have ever read Robert's Rules of Order or have a working knowledge of its contents? The Ferret doesn't know, but he has a sneaking suspicion that the number of men who know the ins and outs of parliamentary procedure is pretty close to zero. He is basing his conclusion on observations made at the last two Institute Committee meetings. Perhaps it is asking too much to expect everyone to know the technicalities, but the Ferret feels that a least three or four persons on that august body should be well versed in the procedure.

The Ferret feels that Creamer deserves a big pat on the back for the manner in which he conducted last night's meeting. The orderly way in which it proceeded was in pleasant contrast to the meeting of a week ago. A complicated affair like succession is bound to lead to an involved meeting, and at the initial fracas the legislators soon found themselves lost in a maze of technicalities from which no member could extricate them because no member was quite sure of the correct procedure.

While none of the solons were any more prepared last night, the business of the meeting was enacted quickly and without disarray. Creamer accomplished this by taking matters into his own hands and disregarding the legalities. While this is not the best means of conducting a meeting it certainly did prevent the warring factions from arguing back and forth on a subject none of them could discuss intelligently. The Ferret doesn't like people who take delight in tying up a meeting, and this feeling is strengthened when said persons "know not whereof they speak."

Weekly Bowling Matches Are Held By Secretaries

Unknown to most men at the Institute there is a women's bowling league in full swing in Walker. Every Thursday night, the Institute secretaries gather at the bowling alleys where they are figuratively but not literally on the ball.

Succession Passed In Orderly Meeting Of The Inst. Comm.

Succession passed the Institute Committee last night, as the revised form met with the approval of student representatives. In sharp contrast with that of last week, the latest meeting moved with order and decorum despite several objections from the floor on points of parliamentary procedure.

Reinstatement of the freshman class to representation on the committee followed their reading of a letter in which was stated that their absences were due to sickness, varying times of the meeting, and "incorrect information in The Tech."

Senior Week Pledges Due With Second Term Tuition

Once again parents can be made to take the rap for wayward sons because of the efforts of the 1940 Senior Week Committee. All Bursar's pledges for Senior Week options have been made payable with the second term's tuition.

The \$3.50 options will be redeemed sometime the latter part of March or the first of April. The cost for redeeming the options will be \$8.00, and the tickets will cover the complete list of Senior Week activities.

Full Tickets Only Will Now Be Sold For Dinner Dance

Kent Bartlett To Play For The Dancing; Dinner Begins At 7

Only full-price tickets, priced at \$4.00, are now available for the tenth annual formal Dormitory Dinner Dance which will be held in the Main Hall of the Walker Memorial Building on Friday evening, February 16.

The affair marks the high point of the dormitory social calendar, and, although intended primarily for Undergraduate, Dormitory, Senior House and Graduate House residents, will be open to their friends.

Kent Bartlett Will Play

Music will be furnished by Kent Bartlett and his band. Consisting of twelve pieces, the ensemble is augmented by the vocals of attractive, eighteen-year-old Rita Scott. Bartlett's band has achieved considerable popularity.

(Continued on Page 4)

Immediate Seating is Question

The question of succession dealt with the immediate seating of representatives of activities electing their men in January. Under the old plan, these men took their places in May when the entire committee changed. Under such a system a great number of men no longer connected with their activities continued as members of the student government.

Under the newly accepted plan, members of T.E.N., Voo Doo, The Tech, the Elections Committee, the 5:15 Club, the Musical Club, the T.C.A., the Budget Committee, and the Walker Memorial Committee will become official members of the governing body at its second meeting next term.

Fight Over Executive Committee

Chief point of contention, when the motion was under consideration

(Continued on Page 4)

J. W. Beal To Be At Faculty Club

Public Works Commissioner To Speak Informally On State Board

The Public Works Administration will be the topic at the luncheon meeting of the Faculty Club tomorrow noon in the Dutch Room of the Graduate House. The speaker will be John W. Beal, who is Commissioner of Public Works for the Commonwealth of Massachusetts.

Mr. Beal is a member of a prominent firm of consulting engineers and architects. He was appointed a few months ago by Governor Leverett Saltonstall to reorganize the Department of Public Works. This was a wholly non-political appointment and was effected so that the board could be organized into an efficient part of the state technical service.

Library Exhibit Places On Show Enough Material To Write Book

How would you go about constructing a 200 inch telescope? The dramatic story of the world's largest telescope on Mount Palomar is the subject of a Central Library display of material received from David O. Woodbury, '21, who has told the story of its creation in his recent book "The Glass Giant of Palomar".

The exhibit includes the author's handwritten manuscript, original drawings for the book by the author and by Russell W. Porter, '96, photographs showing various stages in the design and construction of the giant telescope, and a number of letters received by the author from prominent people.

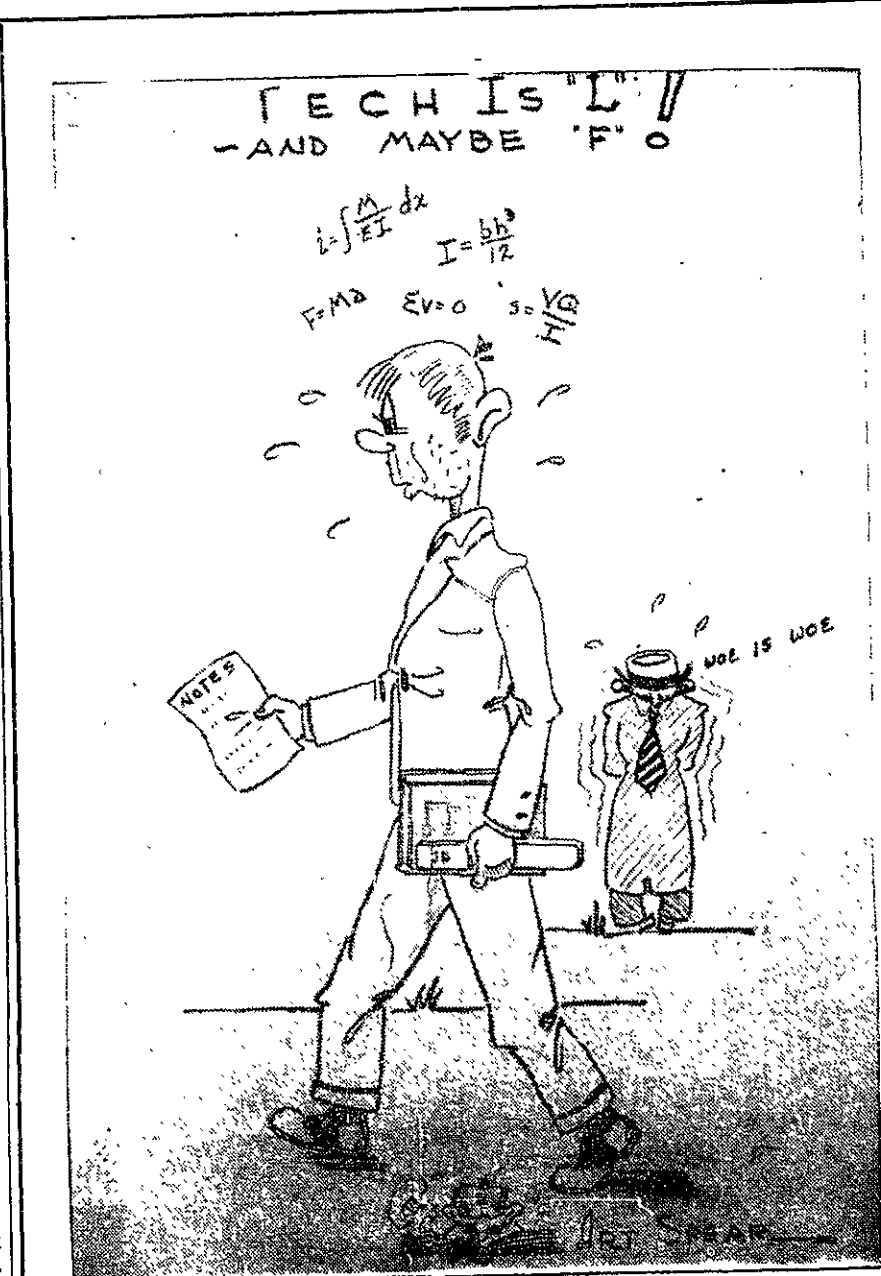
Dramatizes Construction

"The Glass Giant of Palomar" is a dramatization of the cold hard battles between engineering and nature; a

saga of the huge 200 inch reflecting telescope from the first hazy vision of the giant instrument twenty years ago, through the long years of struggle to find the huge fortune necessary to build it, and on into the amazing account of how the many engineering difficulties were overcome; a factual tale of incredible adventure that recalls to the reader memories of Jules Verne.

The great seventeen foot mirror, between six and seven hundred thousand times as keen as the human eye, offered many unforeseen problems to the engineers engaged in the project. There was the task of holding a 40 ton mirror assembly in mid-air in such a manner that it could be moved to any desired position. And at the same time, sixty feet away, at its focal point, must move a six-foot observation room

(Continued on Page 4)



The Tech

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FROM FIFTY-NINE TO SIXTY

Fifty-nine years of living and learning usually give a man the respect and attention of those around him. It is not so with a newspaper. For all the fifty-nine years of publication which lie behind the name on this masthead, it can claim no more respect than has been earned by its staff in the past year. This is the burden, and the pleasure, which with this issue is being fastened on the shoulders of the new Managing Board. In the eyes of the public, we four have been The Tech; and now The Tech has become four other people.

We—and this “we” is not the editorial, but the personal “we” — rather envy this new Managing Board, and the new Junior Board, the year which is ahead of them. Our year of functioning has been one rich in many things. It has been a grand composite of friendship and pleasant times, of responsibility and initiative, of worry and jublations, of trying to go ahead rather than back. We have had behind us a faintly-haloed shadow in the realization that our decisions have always had influence on the reputation of The Tech, and occasionally on that of the Institute itself. In our first appearance as leaders of the swell bunch with which we have worked this last year, we said that our errors would be those of inexperience, perhaps, but never of intent. We are glad to have said that, for we have lived up to it insofar as we were humanly able.

It is true that we have made certain criticisms of our brother-in-arms, Voo Doo, but they have never carried any malice. Their sometimes, perhaps, raw phraseology is caused mostly by our inability to resist the temptation of seeing just how cleverly we could indulge in catcalling.

The three and one half years during which we have been associated with The Tech have left a mark on us which will last as long as we do, and never was a scar more pleasantly inflicted. It is our deep wish that these years have been as valuable to The Tech as they

have been to us, but it doesn't seem quite possible.

We would like to close these, our last official remarks, by wishing the best of luck and the best of times to the men who assume their new duties for the first time in this issue.

"SUCCESSION" SUCCEEDS

With the motion on “succession” passed at the last night's Institute Committee meeting, the by-laws of that committee have received their first major revision in several years. While we are not completely in favor of the change in its present form, we feel that the change will be beneficial and that the Committee is on the right track. We feel that a gradual change in the personnel of the Committee rather than an abrupt hiatus is desirable; the Committee saw fit to accomplish this through “succession.”

Perhaps the most striking feature of the meeting, however, was not the legislation which was passed, but the tone of the meeting itself. In sharp contrast to last week's stormy and futile arguments over ambiguous points, this motion was presented in clear, definite form and was passed with a minimum of “haggling”. This change pleases us more than we can say. We had started to feel that perhaps the Committee was bogging down under the weight of parliamentary procedure to the point where it was losing its strength. Yesterday these fears were dispelled.

The committee on “succession” is to be congratulated on its concise and orderly presentation of a very difficult motion. Instead of garbling the facts in the fashion that it did last week, it brought out concrete and straight-forward recommendations, thus permitting a gentlemanly discussion and an easy passage. It was a splendid piece of work.

Perhaps it would not be out of order to congratulate also the present members of the Institute Committee who were unselfish enough to give up their seats in that body to permit it to function more smoothly. They were forced to sacrifice their authority and their positions of importance to do what they thought best for the Undergraduate Association as a whole. It takes a big man to forsake his personal interests to benefit his fellows. If this is the caliber of the men who make the decisions on undergraduate policy, our student government can not go far wrong.

A GOOD TREND

The existence of a relatively unsuspected group in the Institute was revealed today by the announcement that the Honors Group in Electrical Engineering will take their general exams over the term's work. And mark well that word “general”. These Honors Group students have no exams in specific subjects; their exams may cover any phase of the term's work.

This is noteworthy because it marks a growing trend in American education, a very healthy trend. It is a trend towards the old German system of education, where the student attended lectures during the year, as he wished, and at the end of one, two, or three years as the case might be, took general exams over the work in his major subject. That was practically the only exam he had to face during his student career. This sort of thing exists in considerable force among modern American graduate schools. The men in our Graduate School face much the same system, and, as has already been mentioned, do the students in our Honor Groups.

It may be some day the American colleges will feel that their students have the interest and guts enough to warrant a universal application of this system. It is, if the student is intelligent and serious, the best method, far and away, of teaching him. He is allowed sufficient freedom to pursue his chosen subject into the valuable bypaths; he is not forced to concentrate upon unimportant details. Our present system of exams in each subject is in existence because the individual student cannot be trusted to do his work thoroughly, and get the most out of each subject. It is unfortunate, but true.

Reviews and Previews

SYMPHONY HALL — Sunday afternoon at 3:30, Alec Templeton will demonstrate his piano virtuosity on the Boston Symphony's concert grand.

COLONIAL—Opening here Monday, Ladies and Gentlemen, by Charles MacArthur and Ben Hecht. This drama stars MacArthur's wife, Helen Hayes. Leading man will be Philip Merivale.

SHUBERT—Two for the Show, new musical, begins a week run here Tuesday. Three matinees will be given on Wednesday, Friday, and Saturday.

WILBUR—Closing a week's engagement here is Elmer Rice's latest work Two on an Island. The play has been staged by Rice himself, is presented in eleven scenes. The Playwrights' Producing Company is producing the drama, which stars Betty Fields.

PEABODY PLAYHOUSE—The New England Repertory Company will present for the first time in Boston William Saroyan's My Heart's in the Highlands during the week of January 30. When this play, Saroyan's first, was presented in New York by the Group Theatre last spring, the critics termed it a “whimsical poem of strange eloquence.” Heading the cast are Lyman Barr, William R. Murray, and Edwin Burr Pettett. Pettett is also director of the New England Repertory.

LOEWS STATE AND ORPHEUM—Gone with the Wind, still going.

METROPOLITAN—The new program here features Remember the Night with Fred MacMurray and Barbara Stanwyck. This is a surprisingly dif-

ferent love story and possesses a down-to-the-earth, punch-packed vitality that is a pleasant relief to the customary boy-meets-girl superficiality.

FINE ARTS—Harvest, recognized as the best foreign film of 1939, continues here.

UPTOWN—Elizabeth and Essex, with Bette Davis and Errol Flynn is coupled here with The Amazing Mr. Williams. In the saga of sixteenth century England, Miss Davis proves once more that she possesses great ability as a character actress. The role of the crafty virgin queen is particularly difficult, but the academy award-winner goes through her performance with great ease.

UNIVERSITY—Elizabeth and Essex may also be seen here. The co-feature is Dress Parade.

KEITH MEMORIAL—The story of Stephen Foster is told once more, this time in Technicolor, which brings the true beauty of the South to the screen. Foster, the great writer of American melodies, is portrayed by Don Ameche. Other starring roles go to Al Jolson and Andrea Leeds. Laurel and Hardy are back to the screen after a long absence and appear here in The Flying Deuces. Rounding out the program is a March of Time issue on Finland and the people who are defending it.

PARAMOUNT AND FENWAY—Jeffrey Lynn and Geraldine Fitzgerald (Continued on Page 4)

Take Her to the
Mary Stuart for Dinner
THE MARY STUART DINING ROOM
94 MASS. AVE., BOSTON

To help them
Swing it
to you...



... Bell Telephone engineers
developed a better microphone

DID you realize that much of the technique of radio broadcasting is an outgrowth of Bell System research? Through the years, Bell Telephone Laboratories and Western Electric (manufacturing unit of the System) have produced many advanced types of equipment for better broadcasting.

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Why not telephone home often? Rates to most points are lowest any night after 7 P. M. and all day Sunday.



Quintet Is Defeated By Powerful Tufts Team For 2nd Loss

Second Half Jinx Again Costs Game

Tibbs Scores 18 Points In
Second Half To
Beat Tech

The Tech basketball quintet finally lost its position as one of the highest ranking teams in New England, Wednesday night, when it lost its second consecutive game to Tufts, 52-34, at the new Tufts Gymnasium. The game was a close battle until about five minutes into the second half, when Tibbs of Tufts took advantage of the tired Tech team to loop in 18 points to win for his team.

The game started off with both teams playing close to their baskets, and nothing happened until the game was about two minutes old, when Tufts sank the first basket for Tech from a melee beneath the Tufts basket. This lead did not last long, however, for it was not long before Jenkins put one in for Tufts under the same circumstances. An exciting period followed, when Wilson and Samuels sunk two more from under the basket in rapid succession to put Tech ahead, 6-2. Once again Tufts hit back, this time with Gomez putting in a long shot and a few minutes later a foul off Creamer resulted in another point to his credit. At the ten minute mark, a foul to Varney resulted in a score. Tibbs tipped the ball in the basket on the rebound of the second foul shot. This gave Tufts an 8-6 lead; but two foul shots sunk by Glick in rapid succession brought the score back to even at 8 all. A doubtful foul was called on Artz, and Tibbs made both shots good to put Tufts ahead again. Samuels, however, came back fighting for Tech and put one of his famous long shots in to tie the score at 10-10. A foul made by Jenkins and a beautiful one-handed, under-the-basket shot by Tibbs put Tufts up, 13-10; but two fouls and a tap shot into the basket in rapid succession, all by Wilson brought Tech up, 14-13. A foul sunk by Tibbs in the final minute of the half, brought the scores level once again and the teams left the floor with the score at 14-14.

Tech Starts 2nd Half Strong

Tech started off the second half in championship style, with a fiery attack on the Tufts basket which resulted in scores in rapid succession by Creamer, Wilson and Samuels, to put Tech ahead 20-14. When this occurred, it looked as if McCarthy's men had overcome their previous weeks problem of tiredness, by resting up in the first period, and that they were now letting themselves go. It looked as though Tech was bound to win, and to tumultuous yells of "Our team is red hot" from the Tech fans present, the game continued. The fans were mistaken in their hopes, however, as was shown not much later, when three baskets, one by Gomez and two by Tibbs, followed by two foul shots by Pechoux, put Tufts in the lead 22-20. Tufts now started edging away from Tech until the score stood at 26-20, when Tech rallied and by dint of two fouls sunk by Creamer and a basket by Glick took the score up to 28-24.

Tibbs, the Tufts 6'3" center now got going and there was no stopping him. Tech, however managed to keep the score fairly even until the 10 minute mark when it was 32-28 in favor of Tufts; but after this Tufts had everything their own way, scoring twenty points to Tech's six. They seemed to have the Tech team slightly bewildered with their shifting play and one man under the basket all the time. Tech did not catch on to their tactics, with the result that the man under the basket was left wide open and did plenty of damage. The game

Beaver Marksmen Will Go To Navy

Ten Men Leaving Next Friday
To Fire Against Team
Of Midshipmen

Technology's riflemen, led by an army man, Coach Sergeant McDonnell, will leave for Annapolis a week from today for their annual match with Navy. The invaders will be up against one of the best rated rifle teams in the country, and the Beaver marksmen will have a real job in trying to avenge last year's defeat.

The Institute's rifle team has been doing well this year, having lost only to Yale 1389 to 1355 and earlier in the season to the Arlington Rifle Club, a civilian organization.

Ten Men to Go

Ten men will make the trip south, among whom will be Valentine de van Tades de Olloqui, Jr., team captain, Charles Butt, Doug Crawford, Jean Lewis, Herman Meyer, Tom McConville, Joe Myers, Bill Orr and Harry Sedgwick.

This trip will be followed by others next term, among which will be a trip to West Point and one to New York against New York University.

Pistol Team Sets Record In Match With Wisconsin

Setting a new record at 1307, Technology's Varsity Pistol team completed its postal match with Wisconsin yesterday.

The team fired three strings, slow, timed and rapid. Ed Owen was high scorer of M.I.T.'s marksmen with 268 points to his credit. Other members of the team were Richard Henry with 266, John Murdock with 264, Al Wu with 262, and Robert Buttman with 257 points.

'43 Shoots Also

At the same time the Freshman Pistol team engaged in a postal match with the Wisconsin neophytes. The Tech team scored a total of 773 points, of which Flemingway accounted for 162 and was high scorer of the '43 team. Other men on the team were Walker with 161, Ott with 160, Morton with 151, and Sherman with 139 points.

ended with Tufts easy winners by a score of 52-34.

Tibbs Leads Scoring

High scorer of the game was Tibbs with 24 points. Next best scorer on the Tufts team was Jenkins with 7 and after him, Gomez with 6 points. High scorer for Tech was Wilson with 10 points, while Howie Samuels was very close behind him with 9. Creamer made seven, five on fouls, in the shooting of which he has tremendously improved. Glick, had six points and played a very fine game, both attacking and defending.

Hedlund Announces K. C. Tryouts For Tomorrow

Tryouts for varsity and freshman mile relay teams to run in the Knights of Columbus Track Games at Boston Garden January 27th will be held on the Tech boards tomorrow, according to Coach Oscar Hedlund.

Workouts for all trackmen are to be given every day during exam week both at 12 o'clock for the freshmen and 4:30 for the varsity.

Skiing, Skating To Highlight New Winter Schedule

Institute Officials Announce
Plans For Extensive
Equipment

Another winter is here, and a darned cold one too, and here again are the students of the Institute with plenty of time to waste and plenty of equipment but no place for winter sports. The most that is open for Tech men is a thrilling evening of skating in circles on the Charles River Lagoon, or an even more exciting extempore skid on an icy sidewalk.

However, more opportunity is in prospect for the Institute student body and faculty, according to an authoritative Institute spokesman, as a result of a construction program which is to be put into effect shortly.

Skating in Great Court

Plans on which active work are to start almost immediately include a project for sawing about a quarter mile square out of the ice on the Charles Basin and placing it in the Great Court, where it may be skated on in perfect safety. In addition, the Court will be completely inclosed in brown wrapping paper and hot air from the Institute hall circulated to provide for more comfort on the part of the skaters. Institute authorities admitted that they had not quite figured out what to do in case the ice melts. One spokesman said, hopefully: "Well, the water will be swell for the grass next spring."

Ice-boating Planned

An entirely new sport will also be introduced to the Institute, if the complete winter sports program is carried out as planned. That sport is ice-boating. The ice is available in the Institute front yard, almost; and present plans provide for equipping the dinghies with runners. The conventional type of ice boat is not feasible owing to the unreliable strength of Charles River ice. Asked to comment on this, one of the higher officers of the Nautical Association said: "Gee, I've always wanted to see one of the dinghies go faster than a walk!"

**The First Church of
Christ, Scientist**
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Boston, Massachusetts

Sunday Services 10:45 a. m. and 7:30 p. m.
Sunday School 10:45 a. m. Wednesday evening
meetings at 7:30, which include testi-
monies of Christian Science healing.

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trance also at 24 Province St., 420 Boylston
Street, Berkeley Building, 2nd
Floor, 60 Norway St., cor.
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Science may be read, bor-
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Puck-Pushers Edged By N. E.

Last Period Tech Spurt
Didn't Overcome
4 Goal Lead

After making a desperate third period rally, the M.I.T. hockey team was nosed out 5 to 4 by Northeastern last Tuesday night in the Boston Ice Arena.

Gaining only one goal in the first two periods, the Tech team was trailing 5 to 1 at the opening of the last period. First Kaneb and then Neal scored, and finally, with 10 seconds remaining, Kaneb shot the puck in to close the game 5-4.

The first period goal was made by Arnold of Tech's second string. "This is the first time that a second string man has scored in competition", stated Fred Leiserson, assistant hockey coach, and indicates much improvement."

The lineups for the game were:

Northeastern	Pos.	M.I.T.
Eckert	lw	Kaneb
Chipman	c	Neal
Bracken	rw	Browning
Griffin	ld	Sage
Cunningham	rd	Cadogan
Hansas	g	Schuchter

Ski Run on Main Dome

Skiing has not been neglected in the program. A ski run is to be constructed starting at the top of the Main Dome and continuing over the roofs of Buildings 10 and 7 to the Small Dome. From the Small Dome there will be a short jump over to the Barbour Track House. The run will end on the circular board track, where skier may use up his momentum by going round and round.

Snowshoe Trail Planned

A snowshoe and cross country ski trail is to be laid out in the halls of the Institute. Snow will be imported in from Maine, and from the drafter rooms in the Graduate House, for use on this trail. Before the problem of drainage, the Institute authorities frankly throw up their hands, and confess that melted snow will just have to take care of itself. "Water seeks its own level", said one authority. He did not explain what he meant.

(Continued on Page 4)

Crews Will Meet On February 5

Institute Oarsmen Will Begin
Season With Regatta
For Rowe Cup

Turnout for varsity and freshmen light and heavyweight crews will be held on Registration Day, Monday, February 5 at 3:30 and 5:30 p.m., Coach Bob McMillin announced. He also suggests that all men planning to go out for crew should arrange their programs, if possible, so as to be through with classes by four o'clock every day of the week.

The Rowe Cup Regatta, with Harvard, Syracuse, Rutgers, Boston University and M.I.T. competing, to be held on April 27 is the first event on the calendar for this year. On May 3, Princeton, Harvard and M.I.T. will meet at Princeton. Next we will meet Yale at Derby, Connecticut. The Lightweight Championship Regatta will be held here on May 17.

University Club Defeats Institute Squash Teams

Capt. Bob Millar, '40, saved the varsity squash team from a complete washout when he defeated his University Club opponent in a match played at the University Club Wednesday afternoon.

Millar who has won the reputation of being one of the best intercollegiate players in the country, defeated Dunker of the University Club in easy fashion by the score of 15-4, 15-11, 15-13.

Other Four Matches Lost

Tech lost the other four matches. Barton playing the second position forced his man into an extra game before bowing 15-9, 12-15, 18-16, 15-8. In the remaining matches Fowler of University Club defeated Freeman of Tech, 15-9, 15-7, 15-8; Venckx of University Club defeated Corney of Tech, 15-7, 15-11, 15-7; and Gallejas of Tech defeated Sheetz of University Club, 15-10, 15-8, 11-15, 15-12.

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season"



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CALENDAR

FRIDAY, JANUARY 19

4:00 P.M. M.I.T. versus New Hampshire—hockey— At New Hampshire.

SATURDAY, JANUARY 20

12:00 Noon Electrical Engineering Department Luncheon — Faculty Room.

6:30 P.M. Boston Bacteriological Society Dinner—Faculty Room.

MONDAY, JANUARY 22

9:00 A.M. Midyears Examinations start—Institute.

WEDNESDAY, JANUARY 24

2:00 P.M. Child Study Group meeting—Silver Room.

3:30 P.M. Matron's Tea—North Hall.

THURSDAY, JANUARY 25

5:00 P.M. Institute Secretaries' Bowling meet—Bowling Alleys.

SATURDAY, JANUARY 27

12:00 Noon Last examination ends; midyear vacation starts.

2:30 P.M. M.I.T. versus Navy rifle match—Navy.

7:00 P.M. Tech Track Team entered in K. of C. games—Boston Garden.

THURSDAY, FEBRUARY 1

1:00 P.M. Deadline for tuition payments—10-180.

MONDAY, FEBRUARY 5

9:00 A.M. Registration Day for second term.

TUESDAY, FEBRUARY 6

5:00 P.M. 5:15 Board of Directors Meeting—East Lounge.

Succession

(Continued from Page 1)

was that of selections to the executive committee. The latter composed of six members, the President of the Senior Class, the chairmen of the Walker Memorial and Budget Committees, the Vice-President and Secretary of the Institute Committee, and a Member-at-large.

The motion as passed provides that the chairmen of the two Committees shall take their places on the Executive Committee in February for a term of one year. The President holds office from May to May automatically, and the motion provides that the tenure of office of the secretary shall be for the same period of time. This means that the Secretary can not be chosen from any of the nine men taking their seats in February. The Vice-President and the Member-at-large are to be elected in May, but they may come from either group. In the event that the term on the Institute Committee of either man expires in February, a general election is to be held at that time for the purpose of temporarily filling that position until May.

Elections Committee

At last night's meeting, two new men Wilson M. Compton, Jr., '41, and Ernest F. Artz, '42, were named to the Elections Committee. It was also suggested that class B activities be collectively given a room in which to keep their records. A committee was appointed to investigate and report upon the situation.

The constitutions of the Circolo Italiano and the Camera Club were approved. That of the former was passed upon the condition that several changes be made and recognition would automatically follow.

Honor Group

(Continued from Page 1)

covered numerous details of subjects studied at Technology. This examination lasted one week for Juniors and two weeks for Seniors.

The members of the board of examiners are Elbert H. Bancker, '18, of the General Electric Company, Schenectady; Dr. Donald B. Sinclair, '31, of the General Radio Company, Cambridge; and Professor Victor Siegfried, of the Worcester Polytechnic Institute. Technology faculty members on the committee will be Professor C. Richard Soderberg, '20, department of Mechanical Engineering; Professor Donald S. Tucker, department of Economics and Social Science; and Professor George P. Wadsworth, '30, department of Mathematics.

Mr. Sinclair was an Honors Group student while at the Institute and is the first graduate under the plan to help administer these unique examinations.

General Study

(Continued from Page 1)

fine printing, and typographical nomenclature. Calligraphy and medieval manuscripts will also be studied.

The course is to cover the history of fine printing from its invention 500 years ago to the present day. The subject of printing as a design problem will include type-faces, composition, the relation of illustration to text, and processes of illustration.

Modern Methods a Subject

Time is to be devoted to modern mechanisms and methods of printing. This subject will include machinery and type-setting, photography and illustration, other photomechanical methods, and modernism in book design.

The art of bookbinding is to be treated, as will methods of organization for printing, preparation of the manuscript, and the responsibilities of the author and editor.

Professor Seaver in Charge

Professor Henry L. Seaver, of the School of Architecture, will be in charge of the course. Associated with him are to be Dr. Dard Hunter, outstanding authority on hand-made paper and curator of the Institute's Paper Museum, which bears his name; Professor Arthur C. Hardy, of the department of Physics, an authority on optics, color analysis, and printing inks who has contributed much to the development of the modern methods of color-printing; Professor John E. Burchard, director at Technology of the Albert Farwell Bemis Foundation; James R. Killian, Jr., chairman of the Board of Publications; and Professor Frederick G. Fassett, Jr., editor of the Technology Review.

Students in this course will have an opportunity to utilize the facilities of the Dard Hunter Paper Museum and study its famed collection of hand-made papers. Specimens from the primitive native paper mills of China, India, Japan, Ceylon, Siam, and the islands of the South Pacific, accumulated by Dr. Hunter during his studies, are to be found there.

Dorm Dance

(Continued from Page 1)

rarity at local college dances, but this will be his first appearance at a Technology affair.

The decorative scheme will be based mainly on lighting effects, and will conform to an anniversary theme, since this affair is the tenth in the series, which began in 1930.

Walker Facilities To Be Open

All rooms and facilities of the Walker Memorial Building will be available on the evening of the dance to those who attend. The various faculty and activity rooms, including the 5:15 Club Room will serve as lounges. The bowling alleys will be open to those who want more strenuous exercise besides dancing.

Dinner will be served at seven o'clock sharp in the Main Hall. After dinner, Henry Rapoport, chairman of the Dormitory Committee, will welcome the assemblage and introduce the speakers of the evening. President Karl T. Compton is expected to attend and deliver a short speech.

Dancing Begins At Ten

At ten o'clock, after dinner, dancing to the music of Bartlett's band will commence and will continue until two o'clock in the morning. A special early morning breakfast will be served at 1:30.

Telescope

(Continued from Page 1)

with a maze of mirrors and instruments. At no time are these two elements permitted to slip out of line by more than eight hundredths of an inch. How about the task of cooling the huge mass of glass from 3,000 degrees without causing too much strain and preventing the formation of any bubbles or cracks?

Hope to Solve Problems

With the completed telescope, scientists hope to attack such great problems as the physical and chemical structure of the stars, to bring heretofore invisible asteroids within view, and perhaps even to discover the shape and size of the universe itself.

Mr. David O. Woodbury, author of the book, is a graduate of the Institute's Course VI, class of 1921, who, for the last fifteen years, has chosen to devote his time to the telling of the great science stories. During the last year and a half he has given his whole time to the research for this book, visiting and talking with engineers and scientists involved in the telescope project. He traveled over 17,000 miles by rail and auto to check his data. Another Institute graduate, Russell W. Porter, '96, who was in charge of the telescope design, collaborated with Mr. Woodbury in the book, explaining difficult theoretical questions, and showing by sketches the telescope in various stages of construction. Mr. Woodbury's career furnishes an excellent example of the opportunities open to Technology graduates in the field of writing and journalism.

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TEARS IN THE BEER

With an inkling of pride, Volume LIX looks over its achievements of the last year, over a year of reporting the news of Technology.

The first issue on February 7 brought news of the C.A.A. program, under which 20 students are now being trained to defend the U. S. in the air. A more humane piece of news was the appointment of Dr. R. G. Caldwell as Dean of Humanities. And the most human one was the opening of Professor Magoon's series of marriage lectures on February 23.

\$700 for Refugees

Remember the Refugee Committee? On March 10 it had collected some \$700, and after a rather violent attack on it by The Tech it sort of dropped out of the news. The famous snow riot came on March 12 when the Dorm men fought the Cambridge police in the trenches of Ames Street. Result: two arrests and a \$10 fine for our boys.

The Tech Town Hall opened its doors on March 17. It has been sort of quiet lately. On the 28th the opening gun in the famous bout "I.F.C. versus Tommy Dorsey" was fired. After a number of exciting rounds it ended in a draw with Dorsey playing from 1:30 to 4. On March 30 Technology finally secured its place in the hall of fame when Bud Hayes, '42, broke the goldfish guzzling record by swallowing 42 of the species.

Dean's List Expands

The chest of the Institute expanded proudly April 4, when it was announced that 11.4% more students made the Dean's List. This is a good time to remember this bit of news. Tech in Turkey succumbed on the 14th, and according to The Tech President Compton became a dictator on the 28th, in honor of the I.F.C. Dance. There was no news in the beginning of May. The dinghies won another

race, and the crew came in last for the nth time. Exams came around and nobody paid much attention to the new point system. Vannevar Bush delivered the Baccalaureate and in the middle of all the excitement the new Briggs Field House was dedicated.

349 at Frosh Camp

Three hundred and forty-nine freshmen went to Freshman Camp after the long summer, during which Technology acquired a new Field House, two new crew coaches, a solar research house, and the foundation for a swimming pool.

Over 1200 attended the All Tech Smoker to initiate '43 into the Institute. Dinghies replaced crew on the Field Day program while \$23 a player was voted for interclass football—all '41. The freshmen lost their pants 12-3 on the 27th of October and signed up to wear freshman stripes for many moons. Al Donahue played at night.

Cantor Visits Tech

Eddie Cantor visited the Institute just before Professor Magoon opened his second marriage series of the volume. The 5:15 Club won the Interfraternity Crew Cup; offered a cup of their own to the winner of the Spring Interclass Track Meet.

Jimmy Dorsey and his saxophone filled the Copley-Plaza for enterprising Sophomores on November 24th after the T.C.A. Drive went on the skids.

Browder Invades 10-250

Earl Browder invaded 10-250 on the 14th "amid a shower of stench bombs and shattered glass" (said Boston papers) while The Tech proved itself a real paper by presenting the facts. And last but not least, John Harvard had his face slapped December 5th on a Crimson floor by a Beaver quintet that shamed Lowell Textile and New Hampshire before it met the Bruins.

Winter Sports

(Continued from Page 3)

R.O.T.C. in Festival

A major festival is scheduled this week to celebrate the opening of these new facilities. It is admitted that this festival will be in direct competition with the Ice Follies which also are in town this week. But to quote an eminent Institute authority and figure skier: "Shucks, we have things that the Ice Follies ain't."

The Institute festival will feature a mimic war game, to be put on by the R.O.T.C. Ski Regiment in their natty uniforms of white pajamas.

Review and Previews

(Continued from Page 2)

in the intimate photoplay, *Child Is Born*. This shades the arc lamps with City of Chances, featuring Lynn Bari.

COOLIDGE CORNER—Daytime Wife with Tyrone Power and Linda Darnell alternates at this suburban house with *Winter Carnival*. The latter film is based on the annual winter carnival of Dartmouth and stars Ann Sheridan.

BROOKLINE — Mr. Smith Goes to Washington, with James Stewart and Jean Arthur, is a film you should put on your must list if you have not already seen it. *Hidden Power*, with Jack Holt, completes the bill.

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